# **ELECTRICAL COMMUNICATION INDEX VOLUME 51 (1976)**

## **Subject Index**

	Number	Page
Accurate Wide Band Curve Fitting for Adjustable Equalizers, S. G. Corbett	. 2	112
Adjustable Equalizers, Accurate Wide Band Curve Fitting for, S. G. Corbett		112
Airborne Processor SDP-100 for In-Flight Navigation, W. Beier		200
Aircraft, Communications with, via Satellite, R. Aubele and H. Häberle		264
All Solid State 1800-Channel Radio Relay Equipment, P. G. Debois and A. Liekens		12
Analysis of Sidetone Balance in Telephone Subsets, L. Gasser and A. Van de Laar	3	185
Balance in Telephone Subsets, Analysis of Sidetone, L. Gasser and A. Van de Laar	. 3	185
Cables, Control, Flame Retardant Exchange and, P. Johnstone and E. D. Taylor		116
M. Gruszecki and F. Cornelis	. 2	107
Checking Relay Set, Coin and Fee, using MOS Custom Designed Chip, J. F. Lewis and A. W. Sweet		175
Checking Relay Set, Field Tests of MOS Coin and Fee, J. R. Cass and R. C. Slatter		178
Circuit Production Testing, Programs for Digital: TEPES, E. Matthias and G. Merz		53
Coin and Fee Checking Relay Set, Field Tests of MOS, J. R. Cass and R. C. Slatter		178
Coin and Fee Checking Relay Set using MOS Custom Designed Chip, J. F. Lewis and A. W. Sweet		175
Communications, CW Lasers for Optical Fiber, A. R. Goodwin, P. R. Selway, M. Pion, and W. O. Bourne		144
Communications Equipment, New Circuit Technologies for, G. Zeidler and F. Ulrich		119 95
Communications: Intermat Family of Intercommunications Systems, G. Klause and M. Korff	. 2	
Communications with Aircraft via Satellite, R. Aubele and H. Häberle		264
Complex Systems, Simulation of, using Program Blocks, J. Gerlach and C. D. Nabavi		194 254
Component Quality for Military and Space Applications, Evaluation of, L. Le Saec and D. Tabet		85
Connectors, Demountable, for Optical Fiber Systems, M. A. Bedgood, J. Leach, and M. Matthews		219
Contract and Control of Development, TXE 4, S. G. W. Johnstone	. 2	
Control Equipment, TXE4, R. E. Edwards, P. J. Hiner, and K. Piper	4	116 229
		92
Control of the Control Center, D. A. Intartaglia  Curve Fitting, Accurate Wide Band, for Adjustable Equalizers, S. G. Corbett		112
Custom Designed Chip, Coin and Fee Checking Relay Set using MOS, J. F. Lewis and A. W. Sweet		175
CW Lasers for Optical Fiber Communications, A. R. Goodwin, P. R. Selway, M. Pion, and W. O. Bourne		144
Data Canability of DARV's I. Cassarand D. Masabbas	2	159
Data Capability of PABX's, L. Gasser and P. Meschkat		23
Demountable Connectors for Optical Fiber Systems, M. A. Bedgood, J. Leach, and M. Matthews		85
M. C. Betts, P. Norman, and D. B. Waters	3	150
Development, TXE4 Contract and Control of, S. G. W. Johnstone	4	219
Digital Circuit Production Testing, Programs for: TEPES, E. Matthias and G. Merz		53
Digital Frequency Detection, Push Button Signaling Receiver Employing, W. D. Ohl and G. Rahmig		181
Digital Line System for Field Trial and Production, Development of 120 Mbit s <sup>-1</sup> ,  M. C. Betts, P. Norman, and D. B. Waters	3	150
Digital TV Transmission, Test System for, H. J. Klutz, P. C. Ulrich, J. Wasser, and W. Zschunke	2	100
Distance Measuring Equipment see DME  DME, Precision, for Future Landing Systems: One Solution, H. Vogel		249
		247
Electronic Teleprinter LO 2000, B. Cramer	3	189
M. Gruszecki and F. Cornelis		107
Equalizers, Adjustable, Accurate Wide Band Curve Fitting for, S. G. Corbett	2	112
Evaluation of Component Quality for Military and Space Applications, L. Le Saec and D. Tabet		254
Exchange and Control Cables, Flame Retardant, P. Johnstone and E. D. Taylor		116
Exchange for the UK Network, TXE4 System – A Large Local, D. G. Bryan		215
Exchanges, Metaconta L Large Local: Supervision and Maintenance Techniques, W. Lingelbach		34
Exchanges, Metaconta 10 C: Organization of Maintenance and Spares Procedures, L. Van Os		42
Fabrication of Optical Fiber Waveguides, P. W. Black	1	4
Fee Checking Relay Set, Coin and, using MOS Custom Designed Chip, J. F. Lewis and A. W. Sweet	3	17,5
Fee Checking Relay Set, Field Tests of MOS Coin and, J. R. Cass and R. C. Slatter		178
Fiber Communications, CW Lasers for Optical, A. R. Goodwin, P. R. Selway, M. Pion, and W. O. Bourne	3	144
Fiber Systems, Optical, Demountable Connectors for, M. A. Bedgood, J. Leach, and M. Matthews	2	85
Fiber Waveguides, Fabrication of Optical, P. W. Black		4
Fibers, Measurement of Transmission Properties of Optical, M. Chown and R. Worthington	4	242
Field Tests of MOS Coin and Fee Checking Relay Set, J. R. Cass and R. C. Slatter Field Trial and Production, Development of 120 Mbits <sup>-1</sup> Digital Line System for,	3	178
M. C. Betts, P. Norman, and D. B. Waters	3	150
Flame Retardant Exchange and Control Cables, P. Johnstone and E. D. Taylor		116
FM 2700/6700, Radio Relay System, G. Lupke and H. Rupp		165
Frequency Detection, Push Button Signaling Receiver Employing Digital, W. D. Ohl and G. Rahmig	3	181
, , , , , , , , , , , , , , , , , , ,	_	701

	Number.	Page
Hierarchical Structure and Noncoincident Busy Hours, Optimization of Networks with a,	1	20
P. A. Caballero Gallego		
IC: New Circuit Technologies for Communications Equipment, G. Zeidler and F. Ulrich		119
Intercommunications Systems, Intermat Family of, G. Klause and M. Korff		95
Interference Elimination in Switching Regulated Power Supplies, F. E. Müller		28
Intermat Family of Intercommunications Systems, G. Klause and M. Korff	. 2	95 135
ITT System Principal Divisions and Subsidiaries  Landing Systems: One Solution, Precision DME for Future, H. Vogel		135 249
Landing Systems: One Solution, Precision Divie for Future, FL vogel  Large Scale Integration see LSI  Lasers, CW, for Optical Fiber Communications, A. R. Goodwin, P. R. Selway, M. Pion, and W. O. Bourne		144
Line System, Digital, Development of 120 Mbits <sup>-1</sup> , for Field Trial and Production,		
M. C. Betts, P. Norman, and D. B. Waters  LO 2000, Electronic Teleprinter, B. Cramer		150 189
Local Exchange for the UK Network, TXE4 System – A Large, D. G. Bryan		215
Local Exchanges, Metaconta L Large: Supervision and Maintenance Techniques, W. Lingelbach		34
LSI: New Circuit Technologies for Communications Equipment, G. Zeidler and F. Ulrich		119
Maintenance and Spares Procedures, Organization of, Metaconta 10 C Exchanges: L. Van Os	. 1	42
Maintenance Features and Philosophy, TXE4, A. H. Babb, B. S. Jones, and R. W. Walton		236
Maintenance Techniques, Supervision and, Metaconta L Large Local Exchanges: W. Lingelbach		34
Measurement of Transmission Properties of Optical Fibers, M. Chown and R. Worthington		242
Metaconta L Large Local Exchanges: Supervision and Maintenance Techniques, W. Lingelbach		34
Metaconta 10 C Exchanges: Organization of Maintenance and Spares Procedures, L. Van Os		42
Military and Space Applications, Evaluation of Component Quality for, L. Le Saec and D. Tabet		254
MOS Coin and Fee Checking Relay Set, Field Tests of, J. R. Cass and R. C. Slatter  MOS Coutom Decigned Chip. Coin and Fee Checking Polary Set using J. F. Lawis and A. W. Sweet		178 175
MOS Custom Designed Chip, Coin and Fee Checking Relay Set using, J. F. Lewis and A. W. Sweet		200
Networks, Optimization of, with a Hierarchical Structure and Noncoincident Busy Hours,		
P. A. Caballero Gallego	. 1	20 119
Noncoincident Busy Hours, Optimization of Networks with a Hierarchical Structure and, P. A. Caballero Gallego		20
T.A. Caballeto Gallego	1	20
Optical Fiber Communications, CW Lasers for, A. R. Goodwin, P. R. Selway, M. Pion, and W. O. Bourne		144
Optical Fiber Systems, Demountable Connectors for, M. A. Bedgood, J. Leach, and M. Matthews		85
Optical Fiber Waveguides, Fabrication of, P. W. Black Optical Fibers, Measurement of Transmission Properties of, M. Chown and R. Worthington		4 242
Optimization of Networks with a Hierarchical Structure and Noncoincident Busy Hours, P. A. Caballero Gallego	1	20
PABX: Intermat Family of Intercommunications Systems, G. Klause and M. Korff		95
PABX's, Data Capability of, L. Gasser and P. Meschkat		159
PCM System, 30-Channel, Data Transmission using, J. V. Martens		23
Philosophy, TXE 4 Maintenance Features and, A. H. Babb, B. S. Jones, and R. W. Walton	. 4	236
Power Supplies, Interference Elimination in Switching Regulated, F. E. Müller		28
Precision DME for Future Landing Systems: One Solution, H. Vogel		249
Processor, Airborne, SDP-100 for In-Flight Navigation, W. Beier		200
M. Gruszecki and F. Cornelis		107
M. C. Betts, P. Norman, and D. B. Waters		150
Production Testing, Programs for Digital Circuit: TEPES, E. Matthias and G. Merz		53
Program Blocks, Simulation of Complex Systems using, J. Gerlach and C. D. Nabavi	. 3	194
Programs for Digital Circuit Production Testing: TEPES, E. Matthias and G. Merz  Push Button Signaling Receiver Employing Digital Frequency Detection, W. D. Ohl and G. Rahmig		53 181
Quality, Evaluation of Component, for Military and Space Applications, L. Le Saec and D. Tabet	. 4	254
Radio Relay Equipment, All Solid State 1800-Channel, P. G. Debois and A. Liekens	. 1	12
Radio Relay System FM 2700/6700, G. Lupke and H. Rupp	3.	165
Radio, SE 205 Mobile, H. P. Ketterling and M. P. Klein	. 4	259
Receiver, Push Button Signaling, Employing Digital Frequency Detection, W. D. Ohl and G. Rahmig	. 3	181
Recent Achievements	1 .	62
	2	130
	3	204
	. 4	272
Regulated Power Supplies, Interference Elimination in Switching, F. E. Müller	. 1	28
Relay Equipment, Radio, All Solid State 1800-Channel, P. G. Debois and A. Liekens Relay Set, Coin and Fee Checking, using MOS Custom Designed Chip, J. F. Lewis and A. W. Sweet	1 3	12 175

	Number	Page
Relay Set, Field Tests of MOS Coin and Fee Checking, J. R. Cass and R. C. Slatter	3	178
Relay System, Radio, FM 2700/6700, G. Lupke and H. Rupp		165
Research and Development Notes		59
	4	270
Retardant, Flame, Exchange and Control Cables, P. Johnstone and E. D. Taylor		116
Satellite, Communications with Aircraft via, R. Aubele and H. Häberle		249
SDP-100, Airborne Processor, for In-Flight Navigation, W. Beier		200
SE 205 Mobile Radio, H. P. Ketterling and M. P. Klein		259
Shipboard Main Transmitters ST 1600/ST 1610, F. E. Bergström		48 185
Sidetone Balance in Telephone Subsets, Analysis of, L. Gasser and A. Van de Laar		181
Signaling Receiver, Push Button, Employing Digital Frequency Detection, W. D. Ohl and G. Rahmig		194
M. Gruszecki and F. Cornelis	2	107
Solid State 1800-Channel Radio Relay Equipment, All, P. G. Debois and A. Liekens	1	12
Space Applications, Evaluation of Component Quality for Military and, L. Le Saec and D. Tabet		254
Spares Procedures, Organization of Maintenance and, Metaconta 10 C Exchanges: L. Van Os		42
Standard Telecommunication Laboratories, C. Taylor	2	76
Stored Program Control: Environment Simulator for Traffic and Processor Capacity Studies		
in SPC Switching Systems, M. Gruszecki and F. Cornelis	2	107
Subsets, Analysis of Sidetone Balance in Telephone, L. Gasser and A. Van de Laar		185
Supervision and Maintenance Techniques, Metaconta L Large Local Exchanges: W. Lingelbach		34
Switching Network, TXE4, G. Harland and J. P. Ronayne		223
Switching Regulated Power Supplies, Interference Elimination in, F. E. Müller	1	. 28
Switching System, The TXE 4 Telephone, S. B. Marsh	4	214
Switching Systems, Environment Simulator for Traffic and Processor Capacity Studies in SPC, M. Gruszecki and F. Cornelis	2	107
Telephone Subsets, Analysis of Sidetone Balance in, L. Gasser and A. Van de Laar	3	185
Telephone Switching System, The TXE4, S. B. Marsh	4	214
Telephony: Metaconta L Large Local Exchanges: Supervision and Maintenance Techniques, W. Lingelbach		34
Telephony: Metaconta 10 C Exchanges: Organization of Maintenance and Spares Procedures, L. Van Os		42
Teleprinter LO 2000, Electronic, B. Cramer		189
Television: Test System for Digital TV Transmission, H. J. Klutz, P. C. Ulrich, J. Wasser, and W. Zschunke.		100
TEPES: Programs for Digital Circuit Production Testing, E. Matthias and G. Merz		53
Test System for Digital TV Transmission, H. J. Klutz, P. C. Ulrich, J. Wasser, and W. Zschunke		100
Testing, Programs for Digital Circuit Production: TEPES, E. Matthias and G. Merz	1	53
Tests, Field, of MOS Coin and Fee Checking Relay Set, J. R. Cass and R. C. Slatter		178
Traffic and Processor Capacity Studies in SPC Switching Systems, Environment Simulator for, M. Gruszecki and F. Cornelis	2	107
Transmission Properties of Optical Fibers, Measurement of, M. Chown and R. Worthington	4	242
Transmission, Test System for Digital TV, H. J. Klutz, P. C. Ulrich, J. Wasser, and W. Zschunke	2	100
Transmitters ST 1600/ST 1610, Shipboard Main, F. E. Bergström	1	48
TXE4 Contract and Control of Development, S. G. W. Johnstone	4	219
TXE4 Control Equipment, R. E. Edwards, P. J. Hiner, and K. Piper	4	229
TXE 4 Maintenance Features and Philosophy, A. H. Babb, B. S. Jones, and R. W. Walton	4	236
TXE4 Switching Network, G. Harland and J. P. Ronayne		223
TXE 4 System – A Large Local Exchange for the UK Network, D. G. Bryan	4	215
TXE 4 Telephone Switching System, The, S. B. Marsh	4	214
UK Network, TXE4 System – A Large Local Exchange for the, D. G. Bryan	4	215
April – June 1975	1	70
July – September 1975	2	138
October – December 1975	3	209
January – March 1976  Wayson idea Exhibition of Optical Eiber, P. W. Phylle	4	275
Waveguides, Fabrication of Optical Fiber, P. W. Black Wide Band Curve Fitting, Accurate, for Adjustable Equalizers, S. G. Corbett	1 2	112
World's Telephones – 1975	2	112
	۷	126
10 C Exchanges: Metaconta, Organization of Maintenance and Spares Procedures, L. Van Os	1	42
30-Channel PCM System, Data Transmission using, J. V. Martens	1	23
M. C. Betts, P. Norman, and D. B. Waters	3	150
1800-Channel Radio Relay Equipment, All Solid State, P. G. Debois and A. Liekens	1	12

# **ELECTRICAL COMMUNICATION INDEX VOLUME 51 (1976)**

## **Author Index**

	Number	Page
Aubele, R., Communications with Aircraft via Satellite	. 4	264
Babb, A. H., TXE4 Maintenance Features and Philosophy	. 4	236
Bedgood, M. A., Demountable Connectors for Optical Fiber Systems	. 2	.85
Beier, W., Airborne Processor SDP-100 for In-Flight Navigation	. 3	200
Bergström, F. E., Shipboard Main Transmitters ST1600/ST1610	. 1	48
Betts, M. C., Development of 120 Mbits <sup>-1</sup> Digital Line System for Field Trial and Production		150
Black, P. W., Fabrication of Optical Fiber Waveguides  Bourne, W. O., CW Lasers for Optical Fiber Communications	. 1	144
Bryan, D. G., TXE4 System – A Large Local Exchange for the UK Network		215
Caballero Gallego, P. A., Optimization of Networks with a Hierarchical Structure	• '	210
and Noncoincident Busy Hours	. 1	20
Cass, J. R., Field Tests of MOS Coin and Fee Checking Relay Set	. 3 .	178
Chown, M., Measurement of Transmission Properties of Optical Fibers		242
Corbett, S. G., Accurate Wide Band Curve Fitting for Adjustable Equalizers	. 2	112
Cornelis, F., Environment Simulator for Traffic and Processor Capacity Studies in SPC Switching Systems	. 2	107
Cramer, B., Electronic Teleprinter LO 2000	. 3	189
Debois, P. G., All Solid State 1800-Channel Radio Relay Equipment	. 1	12
Edwards, R. E., TXE4 Control Equipment	. 4	229
Gasser, L., Analysis of Sidetone Balance in Telephone Subsets		185 159
Gasser, L., Data Capability of PABX's Gerlach, J., Simulation of Complex Systems using Program Blocks	. 3	194
Goodwin, A. R., CW Lasers for Optical Fiber Communications		144
Gruszecki, M., Environment Simulator for Traffic and Processor Capacity Studies in SPC Switching Systems		107
Häberle, H., Communications with Aircraft via Satellite		264
Harland, G., TXE4 Switching Network		223
Hiner, P. J., TXE4 Control Equipment		229
Intartaglia, D. A., Control of the Control Center		92
Johnstone, P., Flame Retardant Exchange and Control Cables	. 2	116
Johnstone, S. G. W., TXE4 Contract and Control of Development		219
Jones, B. S., TXE 4 Maintenance Features and Philosophy		236
Ketterling, H. P., SE 205 Mobile Radio	. 4	259
Klause, G., Intermat Family of Intercommunications Systems	. 2	95
Klein, M. P., SE 205 Mobile Radio		259 100
Klutz, H. J., Test System for Digital TV Transmission		95
Le Saec, L., Evaluation of Component Quality for Military and Space Applications		254
Leach, J., Demountable Connectors for Optical Fiber Systems		85
Lewis, J. F., Coin and Fee Checking Relay Set using MOS Custom Designed Chip		175
Liekens, A., All Solid State 1800-Channel Radio Relay Equipment		12
Lingelbach, W., Metaconta L Large Local Exchanges: Supervision and Maintenance Techniques	. 1	34
Lupke, G., Radio Relay System FM 2700/6700	. 3	165
Marsh, S. B., The TXE4 Telephone Switching System		214
Martens, J. V., Data Transmission using 30-Channel PCM System		23
Matthews, M., Demountable Connectors for Optical Fiber Systems		85
Matthias, E., TEPES: Programs for Digital Circuit Production Testing	. 1	53
McAinsh, J. N., Main/Reserve Marine Receiver R 700 M		270
Merz, G., TEPES: Programs for Digital Circuit Production Testing		53 159
Meschkat, P., Data Capability of PABX's		28
Nabavi, C. D., Simulation of Complex Systems using Program Blocks		194
Norman, P., Development of 120 Mbit s <sup>-1</sup> Digital Line System for Field Trial and Production		150
Ohl, W. D., Push Button Signaling Receiver Employing Digital Frequency Detection		181
Pion, M., CW Lasers for Optical Fiber Communications	. 3	144
Piper, K., TXE4 Control Equipment	. 4	229
Rahmig, G., Push Button Signaling Receiver Employing Digital Frequency Detection	. 3	181
Ronayne, J. P., TXE4 Switching Network	. 4	223
Rupp, H., Radio Relay System FM 2700/6700		165
Selway, P. R., CW Lasers for Optical Fiber Communications		144
Slatter, R. C., Field Tests of MOS Coin and Fee Checking Relay Set		178
Sweet, A. W., Coin and Fee Checking Relay Set using MOS Custom Designed Chip		175
Tabet, D., Evaluation of Component Quality for Military and Space Applications	. 4	254
Taylor, C., Standard Telecommunications Laboratories	. 2	76 116
Ulrich, F., New Circuit Technologies for Communications Equipment	. 2	119
Ulrich, P. C., Test System for Digital TV Transmission		100
Van de Laar, A., Analysis of Sidetone Balance in Telephone Subsets		185
Van Os, L., Metaconta 10 C Exchanges: Organization of Maintenance and Spares Procedures		42

	Number	Page
Vogel, H., Precision DME for Future Landing Systems: One Solution	. 4	249
Walton, R. W., TXE4 Maintenance Features and Philosophy		236
Wasser, J., Test System for Digital TV Transmission	. 2	100
Waters, D. B., Development of 120 Mbit s <sup>-1</sup> Digital Line System for Field Trial and Production	. 3	150
Williams, G., Head Dimension Gauge for Telephone Subsets	. 1	59
Worthington, R., Measurement of Transmission Properties of Optical Fibers		242
Zeidler, G., New Circuit Technologies for Communications Equipment	. 2	119
Zschunke, W., Test System for Digital TV Transmission	. 2	100

# **Research and Development Notes**

N	lumber	Page
Head Dimension Gauge for Telephone Subsets, G. Williams	1	59
Main/Reserve Marine Receiver R 700 M, J. N. McAinsh	4	270

## **Recent Achievements**

	Number	Page
Alarm/Watchkeeper Marine Receiver	. 4	272
Analog and Digital Optical Fiber Terminals	. 4	273
Awards for Constructional Elements of NT 2000 Coin Telephone	. 1	67
Basic Stage for Speech Transmission	. 1	66
Basic Stage for Speech Transmission	. 2	134
Coaxial Systems for Malaysia	1	68
Contract for World's Largest Capacity Undersea Telephone Link	. 2	130
Crossbar Exchanges for Legal and General Assurance	. 4	273
Cross-Linked Polyethylene Insulated Power Cables		134
Data Modem for 4800 bit s <sup>-1</sup>	. 2	133
Data Modem GH-1161 for 300 Bit s <sup>-1</sup>	. 3	208
Data Modem GH-3052 for 64 and 72 kbit s <sup>-1</sup> Transmission		68
Data Transmission Equipment for 2400 bit s <sup>-1</sup>	1	65
Data Transmission Modem 2014		133
Digital Multimeter MX 707 A	2	132
EDS Data Switching System	4	274
Electrohydraulic Point Drive with Internal Locking	1	65
Electronic Diaphragm Switch	4	274
Electronic PABX TD-100		69
Electronic Teleprinter LO 2000	2	130
Emergency Call Answering Equipment	2	131
Equipment for Checking Glass Reed Contacts	2	133
EWS Local Exchange Operating in Stuttgart	2	134
Export Orders for PABX's	2	134
FDM Channel Translating Equipment MV-12	3	206
Fiber Optic Cables on the Market	1	65
Fiber Optic Transmission at 30 Mbit s <sup>-1</sup>	1	67
First Processor Controlled Exchange in Bermuda		63
First UK Installation of Marisat Equipment		258
Flexible Circuit Connectors	4	274
Flexible Circuit Crimp Terminals	4	274
Fully Integrated Letter sorting in South Africa	1	69
Further Metaconta Exchanges Cutover		273
Further Order for Metaconta PABX's		206
Ground-to-Air Voice Communications Equipment	2	133
High Voltage Undersea Oil-Filled Cable	2 4	131 272
Informex Enquiry System for Moscow		204
Integrated Video/Sound Transmission System Tested	3	∠∪ <del>1</del>

	Number.	Page
ITT Optical Fiber Facility Opened by British Minister of State	. 4	248
ITT 3202 Processor for Telephone Exchange Control		204
Low Profile Crystal Oscillator		273
Metaconta 10 C Exchanges for Norway	. 3	207
Metaconta 10 C Telex Exchange		62
Metaconta 11 B Semi-Electronic Exchanges	. 1	62
Mobile Transceiver SE 205	. 1	62
Multiplex Equipment for 14 Delta Modulation Channels	. 2	132
New Generation Tacan Ground Beacon		207
New Minimat 200 PABX		69
Optical Fiber Transmission System for Telephone Network	. 4	253
PÂBX for Civil Aviation Authority	. 1	66
PCM-2 Transmission System		272
Pentaconta Exchanges for Denmark	. 1	66
Pentomat Telephone Exchanges for Gestetner	. 2	- 130
Processor Controlled 7-A Registers for Zurich	. 3	207
Radar System for Meteorological Research	3	205,
Radio Relay Equipment FM 300/2600	. 2	130
SE 205 System Rationalizes Motor Pool Operations	. 4	272
Shock Absorbing System for Mobile Exchanges		64
Signaling and Control System for Stuttgart Central Station	. 4	273
Speech plus Telegraph Equipment GH-1221		69
Submarine System to Link Venezuela with Europe	. 1	68
Switch Adjustable NLT Repeater	. 3	207
TDM Equipment ZD 1000-C in Service	. 2	132
TDM Telegraph System Operating over PCM Links	. 3	205
Telenote Writing-by-Phone System		67
Two More Pentomat Exchanges Installed	. 1	65
Versatile Aid for Microcomputer Programming	. 1	67
World's First Optical Communications System		68
World's Largest Private Telephone System		64
MHz Coaxial Line Equipment for Switzerland		205
20 Years Crossbar Switching in Germany	. 1	64
400 kV Cable for Norwegian Power Board	. 1	62